

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051288

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01K7/02 H01K1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 097 409 A (PHILIPS ELECTRONIC AND ASSOCIATED INDUSTRIES LIMITED) 3 January 1968 (1968-01-03)	1-5, 7, 16, 18, 20
Y	page 2, line 35 - line 40, line 46 - line 47, line 66 - line 67; page 1, line 19 - line 27; figure 1	17, 19
X	US 3 344 303 A (PRENGER LOUIS KAREL HUBERT) 26 September 1967 (1967-09-26)	1, 3, 7, 16, 20
Y	column 2, line 4 - line 6; column 1, line 19 - line 23; figure 1	17, 19
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

1 June 2005

Date of mailing of the international search report

20/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Smith, C

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB2004/051288

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 458 746 A (HORST HORSTER ET AL) 29 July 1969 (1969-07-29)	1-3,7, 16,20
Y	column 2, line 61 - line 63, line 40 - line 44; column 1, line 32 - line 35; claim 1; figure 1	17,19
X	US 3 174 067 A (BAHRS SIEGFRIED) 16 March 1965 (1965-03-16)	1-3,7, 16,20
Y	column 1, line 12 - line 15; claim 1; figures 4,5	17,19
Y	US 6 281 620 B1 (YEH NAIGUANG) 28 August 2001 (2001-08-28) sentence 27 - sentence 31; claim 2	17
Y	DE 79 04 647 U1 (SCHNEIDER, EDGAR, 8729 MICHELAU) 23 May 1979 (1979-05-23) cited in the application page 2, line 16	19
A	US 5 390 265 A (JIAO ET AL) 14 February 1995 (1995-02-14)	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051288

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1097409	A	03-01-1968	NL 6505581 A AT 255564 B CH 470081 A DE 1497528 A1 DK 109573 C	31-10-1966 10-07-1967 15-03-1969 30-10-1969 13-05-1968
US 3344303	A	26-09-1967	NL 6404941 A FR 1432242 A GB 1039215 A	08-11-1965 18-03-1966 17-08-1966
US 3458746	A	29-07-1969	NL 6607798 A DE 1572759 A1 ES 341298 A1 FR 1525509 A GB 1184704 A	05-12-1967 12-02-1970 16-10-1968 17-05-1968 18-03-1970
US 3174067	A	16-03-1965	GB 950014 A	19-02-1964
US 6281620	B1	28-08-2001	CN 1179002 A DE 19844164 A1 NL 1010192 C2 NL 1010192 A1	15-04-1998 15-04-1999 25-08-1999 29-03-1999
DE 7904647	U1	23-05-1979	NONE	
US 5390265	A	14-02-1995	NONE	

PCT/IB2004/051288